

# **ANNEXURE– VIII**

## **INTEGRITY PACT**

### **Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at “BHEL House”, Siri Fort, New Delhi – 110049 (India) hereinafter referred to as “The Principal”, which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

### **and**

\_\_\_\_\_, (description of the party along with address), hereinafter referred to as “The Bidder/ Contractor” which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

### **Preamble**

The Principal intends to award, under laid-down organizational procedures, contract/s for

\_\_\_\_\_. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

### **Section 1 – Commitments of the Principal**

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

### **Section 2 – Commitments of the Bidder(s)/ Contractor(s)**

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits

himself to observe the following principles during his participation in the tender process and during the contract execution.

2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC/ PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and will await their decision in the matter.

### **Section 3 – Disqualification from tender process & exclusion from future contracts**

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors". framed by the Principal.

### **Section 4 – Compensation for Damages**

4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

### **Section 5 – Previous Transgression**

5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

### **Section 6 – Equal treatment of all Bidders/ Contractors/ Sub-contractors**

6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain

responsible for any default by his sub-contractors.

6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

### **Section 7 – Criminal Charges against violating Bidders / Contractors / Sub-contractors**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

### **Section 8 –Independent External Monitor(s)**

8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non-disclosure agreement.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.

8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.

8.7 The IEMs would examine all complaints received by them and give their recommendations! views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious

irregularities requiring legal! administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.

8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.

8.9 IEM should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organization.

8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code! Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.

8.12 The word 'Monitor' would include both singular and plural.

### Section 9 – Pact Duration

9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty! guarantee etc. should be outside the purview of IEMs.

9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL.

### Section 10 – Other Provisions

10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders/ contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

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For & On behalf of the Principal  
(Office Seal)

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For & On behalf of the Bidder/ Contractor  
(Office Seal)

Place-----

Date-----

Witness: \_\_\_\_\_  
(Name & Address) \_\_\_\_\_

Witness: \_\_\_\_\_  
(Name & Address) \_\_\_\_\_

## To be given on Letter head of Bidder

Ref: .....

Date: .....

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building,

Plot No 25, Sector -16A

Noida (U.P)-201301

Reference:

Tender Enquiry No-.....

Offer No-.....

Name of Package: .....

Order no. F. No. 6/18/2019-PPD dt. 23.07.2020 issued by Ministry of Finance, Department of Expenditure Public Procurement Division.

Dear Sir,

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I hereby certify that Company name, is not from such a country and is eligible to be considered.

Thanking You,

Yours faithfully,

(Company director seal and signature)

**Letter head of Company**

Ref.....

Date.....

To,

Bharat Heavy Electricals Limited  
PEM, PPEI Building, Plot No 25,  
Sector -16A, Noida (U.P)-201301

**Subject: - Certification regarding local content**

Reference: Tender Enquiry No-.....

Name of Package: .....

Dear Sir,

We hereby certify that items offered by us for ..... (package name) for.....(Project Name) have local content of .....%.

Further, it is also certified that the local content percentage (%) certified above is in line with definition of local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017-revision, having ref. no. P-45021/2/2017-PP(BE-II) dated 04.06.2020 & 16.09.2020 and we qualify as Class-I supplier.

We further confirm that address of the location at which the local value addition is made will be as follows:

1. ....
2. ....

Thanking You,

..... (authorized signatory of company)

..... (firm name)

authorized signatory

of company

## PRICE ADJUSTMENT FOR SUPPLY AND MANDATORY SPARES

- (i) The Contract price shall be subject to price adjustment during performance of the Contract to reflect changes in the cost of labour and material components in accordance with the provisions described below:
- (ii) The price adjustment provisions shall be applicable separately for price components relating to Supply of Equipment as per price break-up furnished in the Technical Specification.
- (iii) Only following components of the Contract Price will be subject to Price adjustment:
  - (a) Ex-Works supply price of Plant and Equipment including commissioning spares, Mandatory spares.
- (iv) Price adjustment amounts towards aforesaid components of Contract Price shall be paid in the respective currencies of Contract (INR).
- (v) The indices for price adjustment shall be as elaborated hereunder.
- (vi) The price adjustment formula for the components of the Contract Price, as mentioned at Sl.No. (iii) above, shall be as stipulated hereinafter.
- (vii) **Ex-Works Price Component of Plant and Equipments including commissioning spares, Mandatory Spares and**

It is understood that the price component of the equipments for any shipment/despatch comprises of a fixed portion (designated as 'F' and the value of which is specified hereunder) and a variable portion linked with the indices for various materials and labour (description and co-efficient as enumerated below).

The amount of price adjustment towards variable portion payable/recoverable on each shipment/despatch shall be computed as under:

$$EC = EC1 - EC0$$

EC1 will be computed as follows:

$$EC1 = EC0 \{F + a \times A1/ A0 + Lb \times L1/ L0\}$$

Where

EC = Adjustment to Ex-Works supply Price Component expressed in the currency of The Contract (INR) payable to the contractor for each shipment/despatch.

EC1 = Adjusted Amount of Ex-Works supply Price Component expressed in the currency of the Contract (INR) payable to the Contractor for each shipment/despatch.

EC0 = Ex-Works supply Price for the plant and equipments in the currency of the Contract (INR), shipment/despatch wise.

- F shall be fixed portion of the Ex-Works Component of the Contract and shall be considered as 0.15.

- a shall be co-efficient of major materials/items involved in the Ex-Works Component of the Contract Price and shall be considered as 0.55.
- 'A' shall be published price indices of corresponding major materials/items.

Case 1: 'A', in case of all applicable supply part / component/ items etc. index for "Manufacture of Fabricated Metal Products, Except Machinery and equipment" shall be used as published by Ministry of Commerce & Industry, GOI base year 2011-12=100

- 'Lb" shall be co-efficient for labour component in the Ex-Works Component of the Contract Price which shall be considered as 0.3.

'L' shall be consumer price index number for industrial workers (All India average) as published by Labour Bureau, Shimla/RBI Base year 2016=100.

For the indices, subscript '0' refers to indices as on date of completion of delivery as per LOA.

Subscript '1' refers to indices as on date of shipment/despatch.

Note:

- 1) PVC shall be applicable only beyond original overall completion schedule as per LOA. PVC (Positive) shall be applicable only if the delay is not attributable to contractor/ vendor. However even if the delay is attributable to vendor/BHEL then also the negative price variation shall be passed on to BHEL.
- 2) The price variation shall be limited to (+) 10% of Ex-Works Supply Price including commissioning spares, Mandatory spares.



### **PRICE ADJUSTMENT FOR SERVICE PART (E&C)**

- (i) The Contract price shall be subject to price adjustment during performance of the Contract to reflect changes in the cost of labour in accordance with the provisions described below:
- (ii) The price adjustment provisions shall be applicable for price components relating to service part (E&C) as per price break-up furnished by the Contractor.
- (iii) Only following components of the Contract Price will be subject to Price adjustment:
  - (a) Service part (E&C) component of Contract Price.
- (vi) The indices for price adjustment shall be as elaborated hereunder.
- (v) The price adjustment formula for the components of the Contract Price, as mentioned at Sl.No. (iii) above shall be as stipulated hereinafter.

#### **a) Indian Rupee Portion of the Installation Services**

ER = ER1 – ER0

ER1 will be computed as follows:

$$\mathbf{ER1 = ER0 (0.15 + L_b \times (L_1 / L_0))}$$

Where:

ER = Adjustment to Erection & Commissioning price component of contract price expressed in Indian Rupees payable to the contractor for each billing.

ER1 = Adjusted amount of Erection & Commissioning price component of contract price expressed in Indian Rupees payable to the Contractor.

ER0 = Value of the Erection & Commissioning work done in the billing period, which shall be calculated as under:

For the purpose of computing ER0, each Erection & commissioning bill (service part) during the E & C period up to the 'Completion of the Facilities' shall be calculated as described in this document.

$L_b$  – Coefficient of labour (for all categories) content in the Indian Rupee portion of the erection & commissioning = 0.85

L = Indian field labour index namely, all India consumer price index for industrial workers (All India Monthly Average) as published labour bureau, Shimla, Government of India.

For the indices, subscript '0' refers to indices as on date of completion of delivery as per LOA.

Subscript '1' refers to indices as applicable for the month of execution of the E&C work

Note:

1) PVC shall be applicable only beyond original overall completion schedule as per LOA. PVC (Positive) shall be applicable only if the delay is not attributable to contractor/ vendor. However even if the delay is attributable to vendor/BHEL then also the negative price variation shall be passed on to BHEL.

2) The price variation shall be limited to +10% of total E&C price (excluding taxes).



**CORPORATE QUALITY ASSURANCE/ कॉरपोरेट गुणवत्ता आश्वासन**  
**SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली**

<b>i.</b>	<b>Item/Scope of Sub-contracting</b> उप-संविदा(अनुबंध) का मद/ दायरा	
<b>ii.</b>	<b>Address of the registered office</b> पंजीकृत कार्यालय का पता	<b>Details of Contact Person</b> संपर्क व्यक्ति का विवरण <b>(Name, Designation, Mobile, Email)</b> (नाम, पदनाम, मोबाइल, ईमेल)
<b>iii.</b>	<b>Name and Address of the proposed Sub-vendor's works where item is being manufactured</b> प्रस्तावित उप-विक्रेता के कार्यों का नाम और पता, जहां मद का निर्माण किया जा रहा है	<b>Details of Contact Person:</b> संपर्क व्यक्ति का विवरण <b>(Name, Designation, Mobile, Email)</b> (नाम, पदनाम, मोबाइल, ईमेल)
<b>iv.</b>	<b>Annual Production Capacity for proposed item/scope of sub-contracting</b> उप-संविदा(अनुबंध) के प्रस्तावित मद / दायरे के लिए वार्षिक उत्पादन क्षमता	
<b>v.</b>	<b>Annual production for last 3 years for proposed item/scope of sub-contracting</b> उप-संविदा(अनुबंध) के प्रस्तावित मद / दायरे के लिए पिछले 3 वर्षों का वार्षिक उत्पादन	
<b>vi.</b>	<b>Details of proposed works</b> प्रस्तावित कार्यों का विवरण	
<b>1.</b>	<b>Year of establishment of present works</b> वर्तमान फैक्टरी की स्थापना का वर्ष	
<b>2.</b>	<b>Year of commencement of manufacturing at above works</b> उपरोक्त फैक्टरी में निर्माण कार्य शुरू होने का वर्ष	
<b>3.</b>	<b>Details of change in Works address in past (if any)</b> पूर्व में फैक्टरी स्थल में परिवर्तन का विवरण (यदि कोई हो)	
<b>4.</b>	<b>Total Area</b> कुल क्षेत्र	
	<b>Covered Area</b> शामिल क्षेत्र	
<b>5.</b>	<b>Factory Registration Certificate</b> फैक्टरी पंजीकरण प्रमाण पत्र	<b>Details attached at Annexure – F2.1</b> विवरण अनुलग्नक- एफ 2.1 पर संलग्न है
<b>6.</b>	<b>Design/ Research &amp; development set-up</b> डिजाइन / अनुसंधान और विकास सेटअप <b>(No. of manpower, their qualification, machines &amp; tools employed etc.)</b> (श्रमिकों की संख्या, उनकी योग्यता, मशीन और उपलब्ध उपकरण आदि)	<b>Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design)</b> <b>Details attached at Annexure – F2.2</b> <b>(if applicable)</b> लागू / लागू नहीं, अगर विनिर्माण मुख्य संविदाकार / खरीददार के डिजाइन के अनुसार है) विवरण अनुलग्नक –एफ 2.2 पर संलग्न है। (यदि लागू हो)
<b>7.</b>	<b>Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc)</b> मैनपावर विवरण के साथ समग्र संगठन का चार्ट( डिजाइन / विनिर्माण / गुणवत्ता आदि )	<b>Details attached at Annexure – F2.3</b> विवरण अनुलग्नक – F2.3 में संलग्न है।



**CORPORATE QUALITY ASSURANCE/ कॉरपोरेट गुणवत्ता आश्वासन**  
**SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली**

8.	<b>After sales service set up in India, in case of foreign sub-vendor(Location, Contact Person, Contact details etc.)</b> भारत में बिक्री सेवा की स्थापना के बाद, विदेशी उप-विक्रेता के मामले में( स्थल , संपर्क व्यक्ति, संपर्क विवरण आदि)	<b>Applicable / Not applicable</b> लागू / लागू नहीं <b>Details attached at Annexure – F2.4</b> विवरण अनुलग्नक -2.4 पर संलग्न है।			
9.	<b>Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any</b> फ्लोचार्ट सहित विनिर्माण प्रक्रिया निष्पादन योजना , जिसमें आउटसोर्स प्रक्रिया, यदि कोई हो, सहित कच्चे माल से तैयार उत्पाद तक विनिर्माण के विभिन्न चरणों को दर्शाया गया हो,	<b>Details attached at Annexure – F2.5</b> विवरण अनुलग्नक - F2.5में संलग्न है।			
10.	<b>Sources of Raw Material/Major Bought Out Item</b> कच्चे माल के स्रोत / खरीदे हुए मुख्य मद	<b>Details attached at Annexure – F2.6</b> विवरण अनुलग्नक - F2.6में संलग्न है।			
11.	<b>Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing</b> कच्चे माल / खरीदे हुए मद, प्रक्रियाबद्ध, अंतिम परीक्षण, पैकिंग करते समय गुणवत्ता नियंत्रण	<b>Details attached at Annexure – F2.7</b> विवरण अनुलग्नक - F2.7 पर संलग्न है			
12.	<b>Manufacturing facilities (List of machines, special process facilities, material handling etc.)</b> विनिर्माण सुविधा(मशीनों की सूची, विशेष प्रक्रिया सुविधाएं, सामग्री रख-रखाव आदि)	<b>Details attached at Annexure – F2.8</b> विवरण अनुलग्नक - F2.8में संलग्न है।			
13.	<b>Testing facilities (List of testing equipment)</b> परीक्षण सुविधाएं( परीक्षण उपकरण की सूची )	<b>Details attached at Annexure – F2.9</b> विवरण अनुलग्नक – F2. 9 में संलग्न है।			
14.	<b>If manufacturing process involves fabrication then-</b> यदि निर्माण प्रक्रिया में फेब्रिकेशन की गई है तो- <b>List of qualified Welders</b> पात्र वेल्डर की सूची <b>List of qualified NDT personnel with area of specialization</b> विशेषज्ञता के क्षेत्र सहित पात्र एनडीटी कार्मिकों की सूची	<b>Applicable / Not applicable</b> लागू / लागू नहीं <b>Details attached at Annexure – F2.10</b> विवरण अनुलग्नक - F2.10में संलग्न है। <b>(if applicable)</b> लागू / लागू नहीं			
15.	<b>List of out-sourced manufacturing processes with Sub-Vendors' names &amp; addresses</b> सब-वेंडर द्वारा बाह्य स्रोतों (उनके नाम और पते सहित)से करवाएं गए निर्माण प्रक्रियाओं की सूची	<b>Applicable / Not applicable</b> लागू / लागू नहीं <b>Details attached at Annexure. –F2.11</b> विवरण अनुलग्नक - F2.10में संलग्न है। <b>(if applicable)</b> (यदि लागू हो)			
16.	<b>Supply reference list including recent supplies</b> नवीनतम आपूर्ति सहित आपूर्ति संदर्भ सूची	<b>Details attached at Annexure – F2.12</b> विवरण अनुलग्नक - F2.12 में संलग्न है। <b>(as per format given below)</b> ( नीचे दिए गए प्रारूप के अनुसार )			
<b>Project/ package</b> परियोजना /पैकेज	<b>Customer Name</b> ग्राहक का नाम	<b>Supplied Item (Type/Rating/Model /Capacity/Size etc)</b> आपूर्ति की गई वस्तु (प्रकार / रेटिंग / मॉडल / क्षमता / आकार आदि)	<b>PO ref no/date</b> पीओ संदर्भ सं. / तिथि	<b>Supplied Quantity</b> आपूर्ति की मात्रा	<b>Date of Supply</b> आपूर्ति की तारीख
17.	<b>Product satisfactory performance feedback letter/certificates/End User Feedback</b> उत्पाद के संतोषजनक प्रदर्शन संबंधी फीडबैक पत्र / प्रमाण पत्र / अंतिम उपयोगकर्ता फीडबैक	<b>Attached at annexure - F2.13</b> अनुलग्नक F2. 3पर संलग्न है			



**CORPORATE QUALITY ASSURANCE/ कॉरपोरेट गुणवत्ता आश्वासन**  
**SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली**

18.	<b>Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating)</b> प्रस्तावित उत्पाद (एक समान या उच्च रेटिंग वाले) के लिए टाइप टेस्ट रिपोर्ट (टाइप टेस्ट विवरण, रिपोर्ट संख्या, एजेंसी, जांच की तारीख) का सारांश नोट: - रिपोर्ट प्रस्तुत करने की आवश्यकता नहीं है <b>Note:- Reports need not to be submitted</b>	<b>Applicable / Not applicable</b> लागू / लागू नहीं  <b>Details attached at Annexure – F2.14</b> विवरण अनुलग्नक - F2.1 4में संलग्न है <b>(if applicable)</b> (यदि लागू हो)
19.	<b>Statutory / mandatory certification for the proposed product</b> प्रस्तावित उत्पाद के लिए वैधानिक / अनिवार्य प्रमाणीकरण	<b>Applicable / Not applicable</b> लागू / लागू नहीं  <b>Details attached at Annexure – F2.15</b> <b>(if applicable)</b> (यदि लागू हो)
20.	<b>Copy of ISO 9001 certificate</b> आईएसओ 9001 प्रमाण पत्र की प्रति <b>(if available)</b> (यदि उपलब्ध हो)	<b>Attached at Annexure – F2.16</b> अनुलग्नक में संलग्न - F2.1 6 है
21.	<b>Product technical catalogues for proposed item (if available)</b> प्रस्तावित मद के लिए उत्पाद तकनीकी कैटलॉग (यदि उपलब्ध हो)	<b>Details attached at Annexure – F2.17</b> विवरण अनुलग्नक - F2.1 7 में संलग्न है
<b>Name:</b>     <b>Desig:</b>     <b>Sign:</b>     <b>Date:</b>     <b>नाम:</b>     <b>पद:</b>     <b>हस्ता</b>     <b>तिथि:</b>     <b>क्षर:</b>		

**Company's Seal/Stamp:- कंपनी की मुहर / मोहर: -**

**MAIN PRICE SCHEDULE**

<b>NAME OF PROJECT:</b>		TALCHER THERMAL POWER PROJECT STAGE-III (2X660 MW)		<b>Vendor Name</b>						
<b>NAME OF PACKAGE:</b>		PRE TREATMENT PLANT (PT PLANT)		<b>Enquiry No</b>		PE/PG/HER/E-7110/2022 Dated 22.11.2022				
<b>TECHNICAL SPECIFICATION:</b>		PE-TS-497-158A-A001 REV 00		<b>Supply</b>			<b>Services</b>		<b>Total Scope</b>	
S. No.	DESCRIPTION	UNIT	QTY	Total Ex-Works Price (INR)	Freight %	Freight in INR	Total FOR Site Price excluding GST (INR)	Unit Price (INR)	Total Price (INR)	Grand Total excluding GST ( Engg Charges + Supply +E&C+ Mand. Spares) (INR)
1.0	Total lump sum firm price for SUPPLY PART , SERVICES PART & MANDATORY SPARES comprising of design (i.e. Preparation and submission of drawing/ documents including " As Built " drawings and O&M Manuals) , engineering, manufacture, fabrication, assembly, inspection & testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables(excluding chemicals), mandatory spares along with spares for erection ,start up and commissioning as required, forwarding, proper packing, shipment and delivery at site, unloading, handling, transportation & storage at site, in site transportation, assembly, erection & commissioning,final painting at site, trial run , site testing , preparation of drawings in 3D, e-learning module, civil analysis & design of all civil structural & architectural works, Supervision of Complete civil structural, architectural & construction works, carrying out performance guarantee test at site ,training of customer/ client O&M staff & final handing over to end customer in flawless condition for project and package specified complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	Set	1							₹ -
2.0	<b>BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.</b>									
2.1	Total lump sum firm price for SUPPLY PART comprising of manufacture, fabrication, assembly, inspection & testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables(excluding chemicals), along with spares for erection ,start up and commissioning as required,preparation of drawings in 3D, e-learning module, forwarding, proper packing, shipment and delivery at site for project and package specified complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	Set	1			₹ -	₹ -			₹ -
2.2	Total lump sum firm price for SERVICES PART comprising of unloading, handling, transportation & storage at site, in site transportation, assembly, erection & commissioning, final painting at site, trial run , site testing , Supervision of Complete civil structural, architectural & construction works,carrying out performance guarantee test at site , training of customer/ client O&M staff & final handing over to end customer in flawless condition for project and package specified complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	Set	1						₹ -	₹ -
2.3	Total lump sum firm price for Mandatory spares comprising of manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per BHEL NIT & tender technical specification, amendment & agreements till placement of order. (Price break up of mandatory spares is to be furnished as per Annexure- I).	Set	1	₹ -		₹ -	₹ -			₹ -
2.4	Total lump sum firm price for ENGINEERING PART comprising of design (i.e. Preparation and submission of drawing/ documents including " As Built " drawings and O&M Manuals) ,engineering, civil analysis & design of all civil structural & architectural works for project and package specified for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	Lot	1							₹ -
Notes										
1. Engineering charges as mentioned above in S. No. 2.4 shall not be more than 5% of Main Supply (excluding freight and GST) failing which break-up shall be adjusted accordingly from supply price of ordering										

**Annexure-I  
(List Of Mandatory Spares)**

NAME OF PROJECT:		TALCHER THERMAL POWER PROJECT STAGE-III (2X660 MW)	
NAME OF PACKAGE:		PRE TREATMENT PLANT (PT PLANT)	
SI. NO.	PARTICULARS	QUANTITY	Total Ex-Works Price (INR)
<b>1)</b>	<b>CLARIFIERS : PT CW &amp; DM System</b>		
a)	Rake (Scraper) drive	1 Set	
b)	Turbine drive shaft assembly	1 Set	
c)	Rake (Scraper) drive shaft assembly	1 Set	
d)	Worm wheel	1 Set	
e)	Worm shaft	1 Set	
f)	All Bearings required for motors, Turbine drive, and Rack drive	1 Set	
	<b>Note:</b> One set consists of quantity required for complete replacement for one clarifier or motor as the case may be		
<b>2)</b>	<b>Lime Slurry Transfer Pumps, Lime Dosing Pumps</b>		
a)	Lime Dosing Pump Unit	1 No	
b)	Lime Slurry Transfer Pump Unit	1 No	
	<b>Note :</b> One set consists of quantity required for complete replacement for one pump		
<b>3)</b>	<b>Alum Dosing Pumps : PT – CW , PT – DM System</b>		
a)	Alum Dosing Pump Unit ( for each system)	1 No	
	<b>Note :</b> One set consists of quantity required for complete replacement for one pump		
<b>4)</b>	<b>Vertical Sump Pumps ( For Each Type &amp; Size)</b>		
a)	Complete Casing including suction (if applicable) bell	1 Set	
b)	Impeller	1 Set	
c)	Wearing rings – Impeller (if applicable)	1 Set	
d)	Wearing rings – Casing (if applicable)	1 Set	
e)	Impeller Shaft, line shaft and head shaft	1 Set	
f)	Shaft Sleeves	1 Set	
g)	Stuffing box	1 Set	
h)	Line Shaft Couplings (if applicable)	1 Set	
i)	Impeller, Line and Head shaft bearings (as applicable)	1 Set	
	<b>Note :</b> One set consists of quantity required for complete replacement for one pump		
<b>5)</b>	<b>Agitators</b>		
a)	Agitator Assembly with Gear Box – Lime Slaking Tank	1 Set	
b)	Agitator Assembly with Gear Box – Lime Preparation Tank – PT System	1 Set	
c)	Agitator Assembly with Gear Box – Alum Preparation Tank	1 Set	
d)	Agitator Assembly with Gear Box – Flash Mixer	1 Set	
e)	Agitator Assembly with Gear Box – Flocculation Tank	1 Set	
<b>6)</b>	<b>Valves</b>		
a)	Manual Plug Valve	Min 1 no of each type, rating & size (Set )	
b)	Motor operated Plug Valve (without motor actuator)	-do-	
c)	Check Valves /Non-return Valve	-do-	
d)	Manual Ball Valve	-do-	
e)	Motor operated Ball Valve (without motor actuator)	-do-	
f)	Manual Globe Valve	-do-	
g)	Manual Diaphragm Valve	-do-	
h)	Motor operated Diaphragm Valve (without motor actuator)	-do-	
i)	Diaphragm for the above Diaphragm Valves	-do-	
j)	Manual Butterfly Valve	-do-	
k)	Motor operated Butterfly Valve (without motor actuator)	-do-	
l)	Manual Gate Valve	-do-	
m)	Motor operated Gate Valve (without motor actuator)	-do-	
<b>7)</b>	<b>Gravity Filters for PT-Potable</b>		
a)	Sand and gravel	1.1 times of One full charge for one filter (LOT )	
b)	Filter flow rate indicator	1 no of each type /rating	
c)	Rate of flow controller	1 no of each type /rating	
d)	Back wash filter flow rate indicator	1 no of each type /rating	
e)	Differential head indicator	1 no of each type /rating	
<b>8)</b>	<b>Gravity Filters for PT-DM</b>		

SI. NO.	PARTICULARS	QUANTITY	Total Ex-Works Price (INR)
a)	Sand and gravel	1.1 times of One full charge for one filter ( LOT)	
b)	Filter flow rate indicator	1 no of each type /rating	
c)	Rate of flow controller	1 no of each type /rating	
d)	Back wash filter flow rate indicator	1 no of each type /rating	
e)	Differential head indicator	1 no of each type /rating	
<b>9)</b>	<b>Air Blowers for Pressure Filters , Sludge pit, Gravity filters</b>		
a)	Impeller with shaft	1 Set	
b)	All Bearings (Blower & Motor)	1 Set	
c)	Gears	1 Set	
d)	Filters	1 Nos	
	Note : One set consists of quantity required for complete replacement for one blower		
<b>10)</b>	<b>Electrically Operated Hoists (For each type &amp; capacity)</b>		
a)	Bearings	1 Set	
b)	Rope guide	1 Set	
c)	Brake lining	1 Set	
	Note : One set consists of quantity required for complete replacement for one hoist of each type & capacity		
<b>11)</b>	<b>Vertical (wet pit) Pumps- ( for Each Type &amp; Size)</b>		
a)	Impeller with nuts & washers	1 set of each type	
b)	Bearings for Line, Head and Impeller shafts	-do-	
c)	Thrust Bearings of pump & drive	-do-	
d)	Wearing rings – Impeller (if applicable)	-do-	
e)	Wearing rings – Casing (if applicable)	-do-	
f)	Impeller Shaft, line shaft and head shaft	-do-	
g)	Shaft Sleeves	-do-	
h)	Stuffing box	-do-	
i)	Motor Bearings	-do-	
j)	Line Shaft Couplings (if applicable)	-do-	
	Note : One set consists of quantity required for complete replacement for one pump		
<b>12)</b>	<b>Horizontal Centrifugal Pumps –For Each Type &amp; Size</b>		
a)	Impeller for each type	1 Set	
b)	Wearing rings – Impeller for each type (if applicable)	1 Set	
c)	Wearing rings – Casing for each type (if applicable)	1 Set	
d)	Shaft for each type	1 Set	
e)	Shaft Sleeves for each type	1 Set	
f)	Stuffing box for each type	1 Set	
g)	Pump bearings for each type	1 Set	
	Note : One set consists of quantity required for complete replacement for one pump		
<b>CONTROL &amp; INSTRUMENTATION-PT PLANT</b>			
<b>MEASURING INSTRUMENTS</b>			
<b>1)</b>	<b>Electronic Transmitters</b>		
(i)	Transmitters of all types and model. (for the measurement of Pressure, differential pressure, flow, level, etc.) including local indication ( if applicable)	2 Nos. of each type and model	
<b>2)</b>	<b>Temperature elements</b>		
(i)	Temperature Transmitter	2 Nos. of each type and model	
(ii)	RTD's*	1 no. of each type	
(iii)	Thermo well	1 no. of each type	
	* (With head assembly, terminal block and nipple)	** (to be divided into various insertion lengths in proportion to main population)	
<b>3)</b>	<b>Local Indicators (Non-Electrical type) -As applicable for the package as per the following items</b>		
(i)	Temperature gauges	1 no. of each range and type	
(ii)	Pressure gauges	1 no. of each range and type	
(iii)	Differential Pressure Gauges,	1 no. of each range and type	
(iv)	Level gauges	1 no. of each range and type	
(v)	Flow gauges excluding Rota meters	1 no. of each range and type	
(vi)	All types of Rota meters	1 no. of each range and type.	

SI. NO.	PARTICULARS	QUANTITY	Total Ex-Works Price (INR)
<b>4)</b>	<b>Process Actuated Switch Devices -As applicable for this package, as per the following items</b>		
(i)	Temperature switches	1 no. of each range and type	
(ii)	Pressure switches	1 no. of each range and type	
(iii)	Differential Pressure switches	1 no. of each range and type	
(iv)	level switches	1 no. of each range and type	
(v)	Flow switches	1 no. of each range and type	
<b>5)</b>	<b>Solenoid Valves</b>	<b>2 Nos. of each type and model</b>	
<b>6)</b>	<b>Limit Switches (for Pneumatic Valves and Manual valves)</b>	<b>2 no. of each type</b>	
<b>7)</b>	<b>ANALYSERS</b>		
1)	Complete PH Analyzer (including Flow Through type cell and Electrode, Electronic Transmitter unit, Pre-fabricated cable with connector as minimum)	1 Set of each type	
2)	Complete Conductivity Analyzer (including Flow Through type cell and Electrode, Electronic Transmitter unit, Pre-fabricated cable with connector as minimum)	1 Set of each type	
3)	Complete Turbidity Analyzer (including sensing unit, Electronic Transmitter unit, Pre-fabricated cable with connector as minimum)	1 Set of each type	
4)	Complete Residual Chlorine Analyzer (including sensing unit, Electronic Transmitter unit, Pre-fabricated cable with connector as minimum)	1 Set of each type	
	<b>MANDATORY SPARES FOR ELECTRICAL</b>		
<b>I)</b>	<b>CLARIFIERS : PT-CW System</b>		
1	Turbine drive motor	1 no.	
<b>II)</b>	<b>CLARIFIER: PT-DM System</b>		
1	Turbine drive motor	1 no.	
2	Lime Slurry Transfer Pump motor	1 no.	
3	Lime Dosing Pumps motor– PT System	1 no.	
4	Alum Dosing Pump motor : PT – CW System	1 no.	
5	Alum Dosing Pump motor : PT – DM System	1 no.	
6	Vertical Sump Pumps – Filter Back wash water pump motor	1 no.	
7	Vertical Sump Pumps – Sludge Pump motor	1 no.	
8	Agitator Assembly with Motor & Gear Box – Lime Slaking Tank	1 no.	
9	Agitator Assembly with Motor & Gear Box – Lime Preparation Tank – PT System	1 no.	
10	Agitator Assembly with Motor & Gear Box – Alum Preparation Tank	1 no.	
11	Air Blowers motor for Gravity Filters	1 no.	
12	Vertical (wet pit) Pumps- Potable water pump motor	1 no.	
Total			₹ -

**Notes:**

- 1) Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidders scope of supply.
- 2) Unless stated otherwise, a "set" or "Lot" means items required for complete replacement in one equipment of each type/ size/ range.
- 3) In case of Bought Out items, itemised spares list may be vendor specific and may differ from the list of spares mentioned above. In such cases, the quoted price shall be considered for applicable items only without any change in the contract price.
- 4) In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities generally in line with the approach followed in the above list.
- 5) Any item which is quoted as "not applicable" in the above list and is found to be "applicable" at a later date shall be supplied by the Bidder without any commercial implications.